Reporting

Data Warehouse Overview

In this chapter   The following topics are covered in this chapter:

Introduction   The Los Alamos National Laboratory Data Warehouse system expands the existing capabilities of the budgeting and accounting systems at Los Alamos National Laboratory, in an effort to improve the Laboratory's business practices to meet future challenges.

Description   Data Warehouse is the Laboratory's recently developed, Windows-based, multi-platform software tool that can be used for numerous financial reporting and analysis purposes with access to both summary and detail financial information through the use of a library of standard reports, an ad hoc report capability, and an inquiry/drill-down capability.

Data Warehouse Overview, Continued

Purpose	This document is provided as a supplement to the hands-on Data Warehouse training. It provides step-by-step directions and screen examples for logging into the system and sampling the capabilities of Data Warehouse, using typical financial problem scenarios. The screens shown here may differ slightly on a Macintosh.

Training	Data Warehouse hands-on training is available from CIC-6, Training, 5-0996 or 5-4444.

Unique capabilities	Data Warehouse has the following unique characteristics and capabilities that make it an invaluable financial tool:

- The first Laboratory-wide system with a user-friendly, point-and-click graphical user interface (GUI);
- Constantly updated financial information, with everything available on-line;
- A security password requirement for each use, using Z Numbers and ICN passwords or SmartCard pass codes; and
- Preformatted and ad hoc reporting capabilities to customize reports for specific needs.

Communication for PC and Macintosh	Access to Data Warehouse through Ethernet is highly desirable, if available, and is also available across Micom lines at 9600 baud. Another option is accessing it through a modem that will run at a faster speed.

Macintosh requirements	The following are requirements for Macintosh access to Data Warehouse:

- System 7.1 (recommended System 7.5);
- 24 megabytes of RAM, additional RAM significantly improves performance;
- 16 megabytes of free hard disk space;
- MacTCP; and
- Netscape.

Data Warehouse Overview, Continued

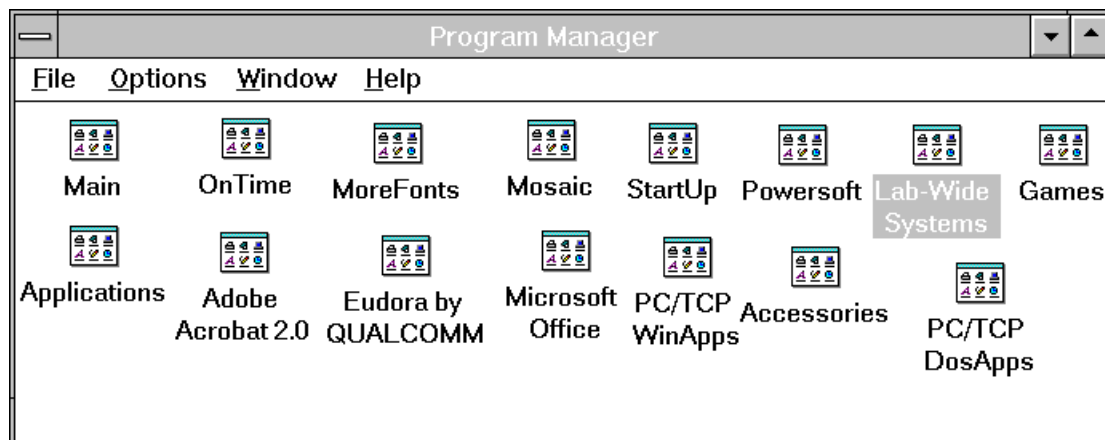| **PC requirements** | To access Data Warehouse, the minimum PC requirements are as follows:

- An 80486DX or Pentium processor (recommended 486DX2-66 or Pentium using 64-bit or 32-bit PCI or VESA Local Bus), video significantly improves performance;

- DOS 5.0 or higher, unless running Windows NT;

- Microsoft Windows 3.1;

- 16 megabytes of RAM, additional RAM improves performance;

- 16 megabytes of free hard disk space;

- Any laser printer supported by Windows 3.1 (recommended HP LaserJet IIISi or higher);

- A WINSOCK-compliant TCP/IP implementation, i.e., PC/TCP 2.31 or Trumpet TCP/IP, (recommended PC/TCP 3.x);

- A VGA monitor (recommended SVGA monitor and graphics adapter);

  Note: A PCI, VLB, or a Windows Accelerator Card significantly improves performance.

- Mosaic 2.0 alpha 2 or higher or Netscape; and

- DOS SHARE or VSHARE. |

Report conventions	On all Data Warehouse reports, you can obtain more detailed information on any column with a plus (+) under the heading by double clicking on that column. Also, you can scroll right or left using the bottom arrow bar or freeze columns by clicking on the black area to the left of the arrow bar and dragging the line that displays. All columns to the left of the line will be frozen once you release the line, allowing you to continue scrolling through the other columns. You can drag a column into view by holding your cursor on either line that borders a column and dragging it.

Logging into Data Warehouse

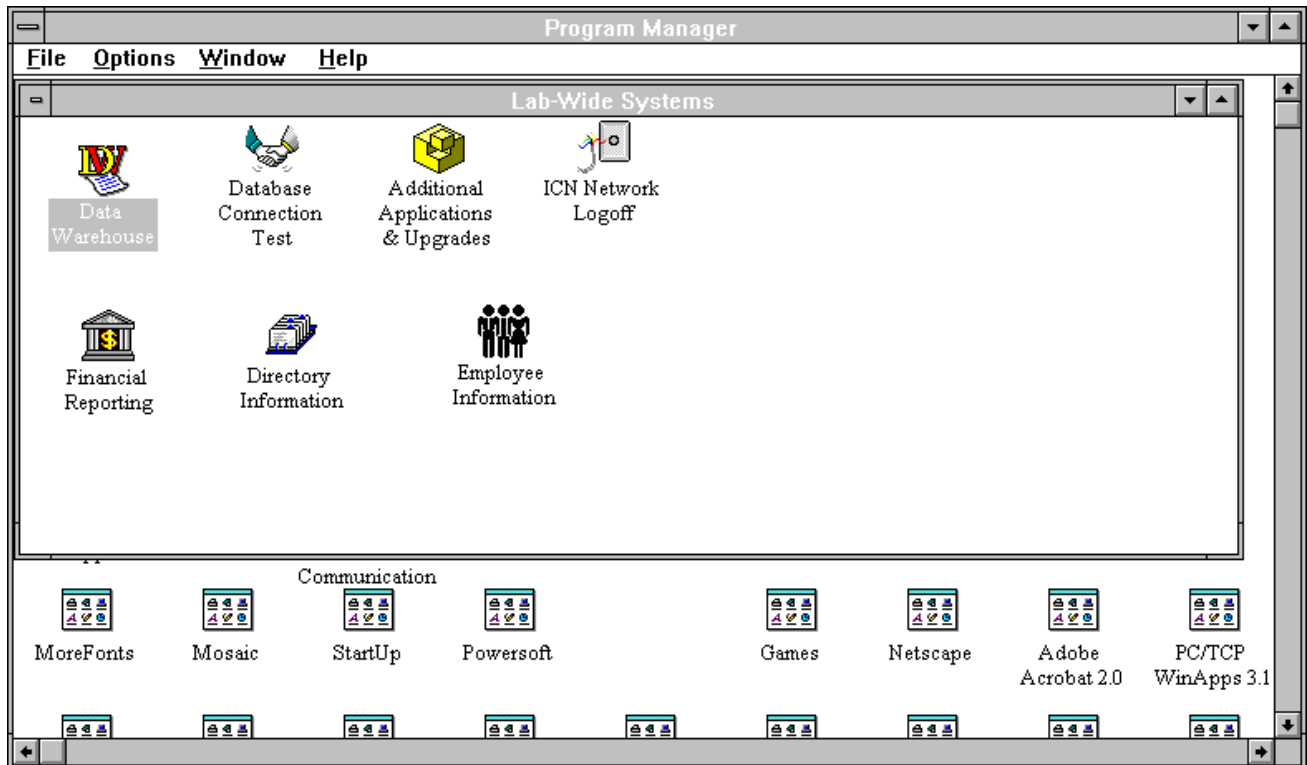**Logging in**   In Program Manager, click on the *Lab-Wide Systems* icon.

Logging into Data Warehouse, Continued

Logging in   The *Lab-Wide Systems* screen displays. Select the *Data Warehouse* icon.
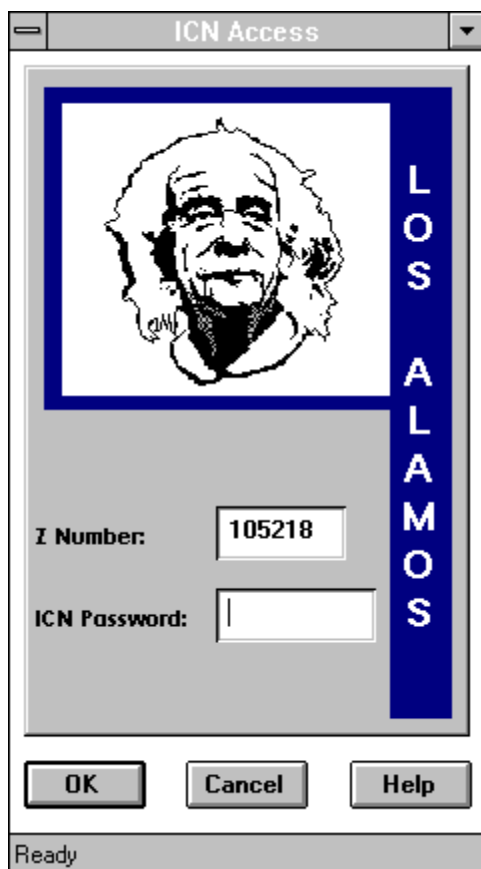**(cont)**

Logging into Data Warehouse, Continued

Logging in (cont)

Data Warehouse requires a security password for use. When the *ICN Access* screen displays, enter your *Z Number* and *ICN Password* (for administrative partition ports) or *SmartCard Pass Code* (for open partition ports), as appropriate. (For future logins, the Z Number from the previous login will display.) You may now access Data Warehouse.

Following sections

The following sections contain typical financial problem scenarios and examples of methods for obtaining the specific information required in each situation.